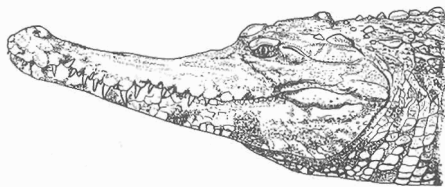
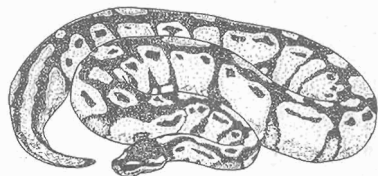
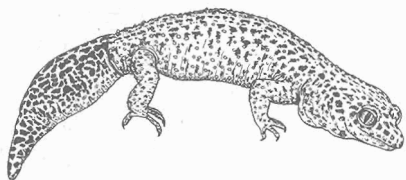
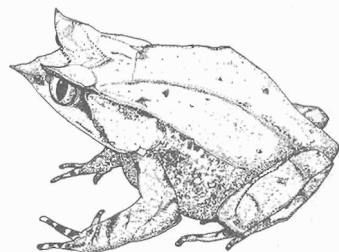
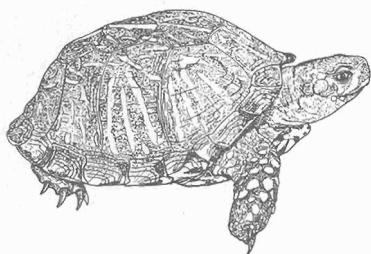


Longevity of Reptiles and Amphibians
in
North American Collections
by
J. Kevin Bowler



T.R. Johnson '99

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Longevity of Reptiles and Amphibians in North
American Collections as of 1 November, 1975

by

J. Kevin Bowler, Curator of Reptiles,
Zoological Society of Philadelphia

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INTRODUCTION

The purpose of this survey is to augment our knowledge of the duration of life in reptiles and amphibians. It is a continuation and expansion of the work begun by Flower (1925, 1936, 1937), Conant and Hudson (1949), Perkins (1947, 1951, 1955), and Shaw (1957, 1958, 1959, 1962, 1969).

The maximum life spans of captive specimens can perhaps be correlated with the maximum longevity of reptiles and amphibians in the wild. These captive longevities may indicate the natural life expectancies for some of the species listed. The results of this survey will probably be of particular interest to the reptile and amphibian keeper because longevity records are an indicator of how well (or how poorly) we are doing with any given form. These data become even more significant when interpreted in light of recent improvement in management procedures and veterinary care.

An attempt has been made to bring the nomenclature up to date, but in some cases a conservative approach has been adopted.

The taxa are identified only to the family level, and subfamilies have not been used.

In this list only the maximum record for each species or subspecies is given. The sex when known, is given in the second column. The age is shown in years (third column), months (fourth column) and days (fifth column), with the origin of the animal indicated in the sixth column. The institution or individual responsible for the record is found in the last column. An asterisk indicates that the specimen was alive on 1 November, 1975. The records in this paper are a summation of previously published reports (which are included in the list of references) and the results of a longevity survey conducted by the Philadelphia Zoo. We would like to receive updated information for specimens currently listed, and would appreciate hearing from anyone having new records. A form for this purpose is provided at the rear of this circular.

KEYS TO THE SYMBOLS

A H	- Audrey Harker (Trenton, N.J.)
A L	- Arthur Loveridge (St. Helena, Is.)
A M N H	- American Museum of Natural History (New York City)
A S D M	- Arizona-Sonora Desert Museum (Tucson, Arizona)
A Z	- Atlanta Zoo (Georgia)
B F	- Barbara Froom (Toronto, Canada)
B Z	- Baltimore Zoo (Maryland)
B d Z	- Brookfield Zoo (Chicago)
B m Z	- Birmingham Zoo (Alabama)
C A F	- California Alligator Farm (Buena Park, Calif.)
C C	- Charlotte College (N.C.)
C R H	- Charles R. Hackenbrock (Dallas, Texas.)
C S W	- Charles S. Wallis (Warner, Okla.)
C Z	- Columbus Zoo (Ohio)
C i Z	- Cincinnati Zoo (Ohio)
D H	- Dennis Harris (Grand Rapids, Mich.)
D M	- Dallas Museum (Texas)
D Z	- Dallas Zoo (Texas)
D t Z	- Detroit Zoo (Michigan)
E N F	- Edwin N. Fusano (Hopewell Jct., N.Y.)
E S S	- Eugenia S. Shorrock (Reading, Mass.)
F J R	- Father Jerome Rupprecht (Latrobe, Pa.)
F W Z	- Fort Worth Zoo (Texas)
G O W	- Grace O. Wiley (deceased)
G P M	- George P. Meade
I H N	- Instituto Historia Natural (Chiapas, Mexico)

I P - Ivo Poglayen (Tucson, Ariz.)
 J B Z - John Ball Zoo (Grand Rapids, Michigan)
 J E G - James E. Gerholdt (Coarsegold, Calif.)
 J F C - Joseph F. Copp (La Jolla, Calif.)
 J G M - John G. Moore
 J K - June Kimball (Schenectady, N.Y.)
 J K B - J. Kevin Bowler (Medford Lakes, N.J.)
 J Z - Jacksonville Zoo (Florida)
 K C J - Kenneth C. Johnson (Sacramento, Calif.)
 L A Z - Los Angeles Zoo (California)
 L P - Louis Pistoia (deceased)
 L P Z - Lincoln Park Zoo (Chicago, Ill.)
 L R Z - Little Rock Zoo (Arkansas)
 M G - Mervin Giuntoli
 M L S - Malvin L. Skaroff (Philadelphia, Pa.)
 N C S M - North Carolina State Museum (Raleigh, N.C.)
 N Y A - New York Aquarium (New York City)
 N Y Z S - New York Zoological Society (New York City)
 N Z P - National Zoological Park (Washington, D.C.)
 P D - Philip Drajeske (Munster, Ind.)
 P M - Provincial Museum (British Columbia, Canada)
 P Z - Philadelphia Zoo (Pennsylvania)
 P i t Z - Pittsburgh Zoo (Pennsylvania)
 P x Z - Phoenix Zoo (Arizona)
 R A - Ross Allen (Silver Springs, Fla.)
 R C - Roger Conant (Albuquerque, N.M.)
 R H W - Robert H. Wilson (Pittsford, N.Y.)
 R M M - Richard M. Miller (Milwaukee, Wis.)
 R M S - R. M. Stabler

R Z - Racine Zoo (Wisconsin)
 S A - Steinhart Aquarium (San Francisco, Calif.)
 S A M - Sherman A. Minton (Indianapolis, Ind.)
 S D Z - San Diego Zoo (California)
 S I Z - Staten Island Zoo (New York City)
 S L Z - St. Louis Zoo (Missouri)
 T B Z - Turtle Back Zoo (West Orange, N.J.)
 T C - Tabor College (Hillsboro, Ks.)
 T Z - Topeka Zoo (Kansas)
 W H W - William H. Woodin (Tucson, Ariz.)
 W L G - William L. Grogan (College Park, Md.)
 W M C - W. Michael Carey (Tampa, Fla.)

w - wild caught

cb - captive born

1.0 - ♂

0.1 - ♀

0.0.1 - sex unknown

Note: multiple (i. e. - 0.0.3) non-living records
 indicate simultaneous deaths, as reported by
 the contributor.

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	Sex	Minimum (yrs)	Known mos	Age days	Origin	Contributor
AMPHIBIA						
<i>Typhlonectidae</i>						
<i>Typhlonectes compressicauda</i>	0.0.1	4	11	13	w-adult	CiZ
<i>Caecilidae</i>						
<i>Dermophis mexicanus mexicanus</i>	0.1	2	1	12	w-adult	CiZ
<i>Sirenidae</i>						
<i>Siren intermedia</i>	0.0.1	6	4	15	w-unk.	LPZ
<i>Siren lacertina</i> *	0.0.1	14	10	0	w-adult	CiZ
<i>Hynobiidae</i>						
<i>Hynobius boulengeri</i> *	1.0	5	3	22	w-adult	CiZ
<i>Cryptobranchidae</i>						
<i>Andrias davidianus</i> *	0.0.1	4	2	10	w-adult	PZ
<i>Andrias japonicus</i> *	0.0.1	16	10	17	w-adult	SA
<i>Cryptobranchus alleganiensis</i>	0.0.1	6	0	0	w-unk.	NYA
<i>Ambystomatidae</i>						
<i>Ambystoma macrodactylum krausei</i> *	0.0.1	5	1	9	w-adult	CiZ
<i>Ambystoma macrodactylum sigillatum</i> *	0.0.2	5	1	9	w-adult	CiZ
<i>Ambystoma opacum</i> *	0.0.2	3	6	27	w-adult	PZ
<i>Ambystoma ordinarium</i>	0.0.1	2	0	13	w-adult	CiZ
<i>Ambystoma talpoideum</i>	0.0.3	2	4	27	w-adult	PZ
<i>Ambystoma texanum</i> *	0.0.1	5	4	9	w-juv.	CiZ
<i>Ambystoma tigrinum</i>	0.0.1	10	4	11	w-adult	PZ
<i>Rhyacotriton olympicus olympicus</i>	1.0	2	8	3	w-adult	CiZ
<i>Salamandridae</i>						
<i>Notophthalmus perstriatus</i>	1.0	12	11	20	w-adult	WLG
<i>Notophthalmus viridescens viridescens</i> *	0.0.1	3	1	21	w-eft	CiZ
<i>Pleurodeles waltii</i>	0.0.1	10	4	13	w-adult	NYZS

	Sex	Minimum (yrs)	Known mos	Age days	Origin	Contributor
<i>Salamandra salamandra terrestris</i> *	1.0	6	0	21	w-adult	CiZ
<i>Triturus alpestris</i>	0.0.1	3	1	27	w-unk.	PZ
<i>Triturus cristatus</i>	0.0.1	3	0	0	w-unk.	PZ
<i>Triturus pyrrhogaster</i>	0.0.1	4	5	23	w-unk.	PZ
<i>Tylotriton verrucosus</i> *	0.0.2	5	4	29	w-adult	CiZ
<i>Amphiumidae</i>						
<i>Amphiuma means</i>	0.0.1	14	7	3	w-adult	PZ
<i>Amphiuma tridactylum</i>	0.0.1	12	3	0	w-adult	SLZ
<i>Plethodontidae</i>						
<i>Bolitoglossa subpalmata</i>	0.0.1	1	11	10	w-adult	CiZ
<i>Desmognathus aeneus</i>	0.0.1	4	0	14	w-adult	CiZ
<i>Desmognathus auriculatus</i> *	0.0.3	3	9	26	w-adult	PZ
<i>Desmognathus ochrophaeus</i> *	0.0.1	5	4	11	w-adult	CiZ
<i>Desmognathus welteri</i> *	0.0.2	5	5	6	w-adult	CiZ
<i>Ensatina eschscholtzi croceator</i> *	1.2	3	3	24	w-adult	CiZ
<i>Ensatina eschscholtzi klauberi</i> *	0.2	4	4	22	w-adult	CiZ
<i>Ensatina eschscholtzi oregonensis</i> *	0.0.2	4	6	16	w-adult	CiZ
<i>Eurycea longicauda guttolineata</i> *	0.0.1	5	0	10	w-adult	CiZ
<i>Eurycea longicauda longicauda</i>	0.0.1	4	8	16	w-adult	CiZ
<i>Gyrinophilus palleucus</i> *	0.0.2	3	11	18	w-adult	CiZ
<i>Gyrinophilus porphyriticus danielsi</i>	0.0.1	2	11	20	w-adult	CiZ
<i>Gyrinophilus porphyriticus porphyriticus</i> *	0.0.1	4	10	18	w-adult	CiZ
<i>Haideotriton wallacei</i>	0.0.1	1	8	18	w-juv.	CiZ
<i>Hemidactylium scutatum</i> *	0.1	5	6	20	w-adult	CiZ
<i>Phaeognathus hubrichti</i> *	0.0.2	5	1	7	w-adult	CiZ
<i>Plethodon elongatus</i> *	0.0.1	4	6	28	w-adult	CiZ
<i>Plethodon glutinosus</i> *	0.0.3	5	6	20	w-adult	CiZ
<i>Plethodon jordani</i> *	0.0.1	5	3	22	w-adult	CiZ
<i>Plethodon longicrus</i> *	0.0.1	5	2	1	w-adult	CiZ
<i>Plethodon vehiculum</i> *	0.0.1	4	7	1	w-adult	CiZ
<i>Pseudotriton montanus diastictus</i> *	0.0.1	5	6	20	w-adult	CiZ
<i>Pseudotriton ruber ruber</i> *	2.1	5	6	20	w-adult	CiZ

	Sex	Minimum (yrs)	Known mos	Age days	Origin	Contributor
<i>Pseudotriton ruber schencki</i> *	1.1	5	5	27	w-adult	CiZ
<i>Pseudotriton ruber vioscai</i> *	0.0.3	2	6	21	w-adult	PZ
<i>Typhlotriton spelaeus</i> *	0.0.1	5	4	9	w-larva	CiZ
<i>Proteidae</i>						
<i>Proteus anquinus</i> *	3.5	3	1	17	w-adult	CiZ
<i>Necturidae</i>						
<i>Necturus punctatus</i> *	0.0.1	4	6	1	w-adult	CiZ
<i>Pipidae</i>						
<i>Pipa pipa</i>	0.0.1	6	9	0	w-adult	PZ
<i>Xenopus laevis</i>	0.0.1	8	9	0	w-adult	PZ
<i>Discoglossidae</i>						
<i>Bombina bombina</i>	0.0.1	5	10	6	w-adult	PZ
<i>Bombina orientalis</i>	1.0	2	4	26	w-adult	PZ
<i>Pelobatidae</i>						
<i>Scaphiopus couchi</i>	0.0.1	3	4	14	w-adult	PZ
<i>Scaphiopus holbrooki holbrooki</i>	0.0.1	12	4	5	w-adult	AL
<i>Dendrobatidae</i>						
<i>Dendrobates auratus</i>	0.0.1	8	3	7	w-adult	DZ
<i>Dendrobates pumilio</i> *	0.0.1	1	9	9	w-adult	DZ
<i>Ranidae</i>						
<i>Mantella aurantiaca</i> *	0.0.1	3	8	22	w-adult	PZ
<i>Rana adspersa</i> *	0.1	8	7	24	w-unk.	SIZ
<i>Rana catesbeiana</i>	1.0	6	7	25	w-adult	PZ
<i>Rana occipitalis</i>	0.0.1	10	11	11	w-adult	FWZ
<i>Microhylidae</i>						
<i>Gastrophryne carolinensis</i>	0.0.1	6	1	1	w-adult	PZ
<i>Kaloula pulchra</i>	0.0.2	7	11	23	w-adult	DZ

	Sex	Minimum (yrs)	Known mos	Age days)	Origin	Contributor
<i>Bufo</i>						
<i>Bufo alvarius</i> *	0.0.1	9	2	17	w-adult	TZ
<i>Bufo americanus</i>	0.0.1	4	8	25	w-adult	PZ
<i>Bufo blombergi</i> *	1.0	10	9	5	w-adult	BdZ
<i>Bufo boreas</i>	0.0.1	6	0	15	w-adult	PZ
<i>Bufo debilis insidiosus</i>	0.0.1	3	2	0	w-adult	ASDM
<i>Bufo luetkeni</i>	0.0.1	9	11	1	w-adult	CZ
<i>Bufo marinus</i>	0.1	8	0	10	w-adult	PZ
<i>Bufo mazatlanensis</i>	0.0.1	3	10	0	w-adult	ASDM
<i>Bufo paracnemis</i>	0.0.1	10	4	24	w-adult	PZ
<i>Bufo peltacephalus</i>	0.0.1	12	8	24	w-adult	PZ
<i>Bufo punctatus</i> *	1.0	4	1	24	w-adult	PZ
<i>Bufo quercicus</i>	0.0.1	1	11	8	w-adult	PZ
<i>Bufo retiformis</i>	0.0.1	3	4	0	w-adult	ASDM
<i>Bufo speciosus</i>	0.0.1	4	3	2	w-adult	PZ
<i>Bufo viridis</i> *	0.0.4	3	0	0	w-juv.	PZ
<i>Bufo woodhousei fowleri</i> *	0.0.1	2	5	3	w-adult	PZ
<i>Atelopus</i>						
<i>Atelopus varius zeteki</i>	0.0.1	0	9	7	w-adult	PZ
<i>Hyla</i>						
<i>Agalychnis litodryas</i> *	0.0.1	3	6	17	w-adult	PZ
<i>Diaglena spatula</i>	0.0.2	7	4	0	w-adult	DZ
<i>Hyla avivoca</i> *	0.0.2	2	6	21	w-adult	PZ
<i>Hyla chrysoscelis/ versicolor complex</i> *	2.0	2	6	21	w-adult	PZ
<i>Hyla cinerea</i>	0.0.1	6	2	28	w-adult	PZ
<i>Hyla crepitans</i>	0.0.1	4	11	25	w-adult	DZ
<i>Hyla femoralis</i> *	1.0	2	6	21	w-adult	PZ
<i>Hyla gabbi</i>	0.0.1	2	4	22	w-adult	PZ
<i>Hyla gratiosa</i>	0.0.1	7	2	3	w-adult	DZ
<i>Hyla microcephala</i>	0.0.5	2	11	8	w-adult	PZ
<i>Hyla pellucens</i> *	0.0.2	3	6	17	w-adult	PZ
<i>Hyla quinquefasciata</i> *	0.0.1	3	6	17	w-juv.	PZ

	Sex	Minimum (yrs	Known mos	Age days)	Origin	Contributor
<i>Hyla rosenbergi</i> *	5.0	3	6	17	w-adult	PZ
<i>Hyla septentrionalis</i>	0.1	12	11	2	w-adult	PZ
<i>Hyla vasta</i> *	1.0	5	1	22	w-adult	BdZ
<i>Litoria caerulea</i> *	0.0.1	8	6	26	w-adult	DZ
<i>Pachymedusa dacnicolor</i> *	0.1	7	6	6	w-adult	ASDM
<i>Phrynohyas hebes</i>	0.0.1	5	8	15	w-adult	PZ
<i>Pternohyla fodiens</i>	0.0.1	5	1	15	w-adult	ASDM
<i>Smilisca baudini baudini</i> *	0.0.1	5	2	6	w-adult	BdZ
<i>Smilisca phaeota</i> *	0.0.2	3	6	17	w-adult	PZ
<i>Trachycephalus jordani</i> *	0.0.7	3	6	17	w-adult	PZ
<i>Tripurion spatulatus reticulatus</i>	0.0.1	8	10	23	w-adult	CZ

Leptodactylidae

<i>Ceratophrys calcarata</i> *	1.0	10	10	0	w-juv.	LP
<i>Ceratophrys cornuta</i>	0.1	10	4	7	w-adult	PZ
<i>Ceratophrys ornata</i>	0.1	11	3	26	w-adult	PZ
<i>Leptodactylus pentadactylus</i>	0.0.1	15	8	27	w-adult	PZ
<i>Physalaemus pustulosus</i>	0.0.1	7	5	19	w-adult	DZ

REPTILIA

Pelomedusidae

<i>Pelomedusa subrufa olivacea</i> *	0.1	7	3	23	w-adult	TBZ
<i>Pelomedusa subrufa subrufa</i> *	0.0.1	16	0	4	w-adult	SDZ
<i>Pelusios adansonii</i>	0.1	4	8	2	w-adult	PZ
<i>Pelusios castaneus derbianus</i> *	0.1	24	10	0	w-adult	BZ
<i>Pelusios niger</i>	0.1	14	8	13	w-adult	NYZS
<i>Pelusios sinuatus</i> *	0.1	6	1	3	w-adult	PZ
<i>Pelusios subniger</i>	0.0.1	29	3	4	w-adult	PZ
<i>Podocnemis cayennensis</i> *	0.0.1	5	2	7	w-adult	DZ
<i>Podocnemis expansa</i>	0.1	16	2	10	w-adult	NYZS
<i>Podocnemis sextuberculata</i> *	0.1	6	1	3	w-adult	PZ
<i>Podocnemis unifilis</i> *	1.1	8	10	15	w-adult	DZ

	Sex	Minimum (yrs)	Known mos	Age days	Origin	Contributor
<i>Chelidae</i>						
<i>Batrachemys dahli</i> *	1.0	4	11	12	w-adult	PD
<i>Batrachemys nasuta</i>	0.1	13	6	11	cb	DtZ
<i>Chelodina longicollis</i>	0.0.1	35	1	5	w-adult	PZ
<i>Chelodina oblonga</i> *	1.0	4	5	16	w-adult	PZ
<i>Chelys fimbriata</i> *	1.0	16	2	5	w-adult	TBZ
<i>Hydromedusa tectifera</i>	0.1	8	10	14	w-adult	PZ
<i>Mesoclemmys gibba</i> *	0.0.1	6	4	0	w-adult	DtZ
<i>Phrynops geoffroanus hilairi</i> * 1	1.0	34	9	29	w-adult	PZ
<i>Platemys platycephala</i> *	1.0	19	8	27	w-adult	BZ
<i>Chelydridae</i>						
<i>Chelydra serpentina rosignoni</i>	0.0.1	23	2	29	w-adult	SLZ
<i>Chelydra serpentina serpentina</i>	0.0.1	38	8	27	w-adult	PZ
<i>Macrolemmys temmincki</i> *	1.0	58	10	0	w-adult	PZ
<i>Kinosternidae</i>						
<i>Kinosternon bauri</i> *	0.1	7	7	15	w-adult	TBZ
<i>Kinosternon cruentatum</i> *	1.0	6	11	7	w-adult	BdZ
<i>Kinosternon flavescens</i>	0.0.1	10	4	25	w-adult	CZ
<i>Kinosternon herrerae</i> *	1.0	19	6	1	w-adult	IP
<i>Kinosternon scorpioides</i>	0.0.1	14	0	0	w-adult	NYZS
<i>Kinosternon sonoriensis</i>	0.0.1	27	9	1	w-adult	PZ
<i>Kinosternon subrubrum hippocrepis</i>	0.0.1	18	4	12	w-adult	SLZ
<i>Staurotypus salvini</i> *	1.0	11	8	17	w-adult	FWZ
<i>Staurotypus triporcatus</i> *	0.1	19	9	8	w-adult	PZ
<i>Sternotherus carinatus</i>	0.0.1	13	6	0	w-adult	PZ
<i>Sternotherus minor minor</i> *	1.0	23	11	0	w-juv.	PZ
<i>Sternotherus odoratus</i>	0.0.1	54	9	0	w-adult	PZ
<i>Platysternidae</i>						
<i>Platysternon megacephalum</i>	1.0	15	0	0	w-adult	BdZ
<i>Emydidae</i>						
<i>Batagur baska</i> *	0.1	6	1	3	w-adult	PZ

1 - (Erroneously identified as Podocnemis expansa in Int. Zoo Yb., 6:488.)

	Sex	Minimum (yrs	Known mos	Age days)	Origin	Contributor
<i>Chinemys megaloccephala</i> *	1.0	7	8	3	w-adult	BdZ
<i>Chinemys reevesi</i>	0.0.1	24	3	11	w-adult	PZ
<i>Chrysemys concinna suwanniensis</i>	1.0	40	8	4	w-juv	JK
<i>Chrysemys floridana</i>	0.0.1	12	6	9	w-adult	PZ
<i>Chrysemys nelsoni</i> *	0.0.2	15	9	28	w-adult	CZ
<i>Chrysemys picta dorsalis</i> *	0.0.1	16	7	2	w-adult	CZ
<i>Chrysemys picta marginata</i> *	0.1	16	2	0	w-juv.	PD
<i>Chrysemys picta picta</i> *	0.1	14	0	28	w-adult	BZ
<i>Chrysemys rubriventris</i> *	0.1	4	3	24	w-adult	PZ
<i>Chrysemys scripta elegans</i>	0.0.1	30	6	0	w-unk.	SLZ
<i>Chrysemys scripta hiltoni</i> *	0.0.1	25	4	29	w-unk.	SDZ
<i>Chrysemys scripta scripta</i> *	0.1	8	7	0	w-adult	TBZ
<i>Chrysemys stejnegeri granti</i>	0.1	8	1	14	w-adult	BdZ
<i>Clemmys bealei</i>	0.0.1	27	4	6	w-adult	PZ
<i>Clemmys caspica rivulata</i>	1.0	13	3	0	w-adult	PZ
<i>Clemmys guttata</i> *	1.0	8	3	27	w-adult	DZ
<i>Clemmys insculpta</i>	0.0.1	12	6	1	w-adult	PZ
<i>Clemmys muhlenbergi</i>	0.0.1	13	7	11	w-adult	PZ
<i>Clemmys mutica</i> *	0.1	7	1	28	w-adult	TBZ
<i>Cuora amboinensis</i>	0.0.1	38	2	24	w-unk.	SLZ
<i>Cuora trifasciata</i> *	1.0	9	7	5	w-juv.	BdZ
<i>Deirochelys reticularia</i> *	0.1	6	1	27	w-adult	PZ
<i>Emydoidea blandingi</i>	0.0.1	12	9	0	w-adult	PZ
<i>Emys orbicularis</i> *	1.2	7	5	10	w-adult	BdZ
<i>Geoclemys hamiltoni</i> *	2.0	11	8	27	w-adult	SLZ
<i>Geoemyda grandis</i> *	0.0.1	14	4	12	w-adult	SDZ
<i>Geoemyda pulcherrima pulcherrima</i>	1.0	20	5	13	w-adult	PZ
<i>Geoemyda rubida</i>	0.1	11	9	1	w-adult	SLZ
<i>Geoemyda spinosa</i> *	0.1	9	4	25	w-juv.	BdZ
<i>Geoemyda trijuga</i>	0.1	40	0	12	w-adult	PZ
<i>Graptemys barbouri</i> *	0.1	5	10	9	w-adult	PD
<i>Graptemys geographica</i>	0.1	5	6	5	w-adult	PZ
<i>Graptemys kohni</i> *	1.0	19	10	0	w-juv.	CZ
<i>Graptemys oculifera</i>	0.1	4	8	22	w-adult	PD
<i>Graptemys pseudogeographica</i>	0.0.1	32	6	1	w-adult	PZ

	Sex	Minimum (yrs)	Known mos	Age days)	Origin	Contributor
<i>Graptemys pulchra</i>	0.0.1	15	8	1	w-adult	PZ
<i>Heiremys annandalei</i> *	0.1	9	4	29	w-adult	CZ
<i>Kachuga smithi</i> *	1.0	9	10	0	w-adult	FWZ
<i>Kachuga tecta tentoria</i> *	0.2	11	0	17	w-adult	FWZ
<i>Malaclemys terrapin</i> *	1.0	9	3	0	w-unk.	DZ
<i>Notochelys platynota</i> *	0.1	8	5	12	w-juv.	CZ
<i>Ocadia sinensis</i> *	0.1	12	5	6	w-adult	CZ
<i>Terrapene carolina bauri</i>	0.0.1	22	7	1	w-unk.	SLZ
<i>Terrapene carolina carolina</i> *	1.2	26	5	6	w-adult	RZ
<i>Terrapene carolina major</i>	0.0.1	21	7	3	w-unk.	SLZ
<i>Terrapene carolina triunguis</i> *	1.1	24	3	9	w-adult	RZ
<i>Terrapene coahuila</i> *	0.1	9	5	12	w-adult	FWZ
<i>Terrapene mexicana yucatan</i> *	1.0	15	5	0	w-adult	SLZ
<i>Terrapene nelsoni</i> *	1.0	11	9	6	w-adult	BdZ
<i>Testudinidae</i>						
<i>Geochelone carbonaria</i>	0.1	13	9	15	w-adult	PZ
<i>Geochelone chilensis</i> *	0.1	19	10	0	w-juv.	CZ
<i>Geochelone denticulata</i> *	1.0	14	1	14	w-adult	BmZ
<i>Geochelone elegans</i>	0.1	14	1	15	w-unk.	NYZS
<i>Geochelone elephantopus</i> *	1.0	47	7	0	w-unk.	PZ
<i>Geochelone gigantea</i> *	0.0.10	37	3	17	w-unk.	DtZ
<i>Geochelone pardalis</i>	0.1	7	3	23	w-unk.	PZ
<i>Geochelone radiata</i> *	1.1	12	10	13	w-adult	SLZ
<i>Geochelone travancorica</i> *	0.1	11	9	18	w-unk.	NYZS
<i>Gopherus agassizi</i>	0.1	2	9	15	w-adult	PZ
<i>Gopherus berlandieri</i> *	1.0	4	5	29	w-adult	BdZ
<i>Gopherus flavomarginata</i>	0.1	4	9	23	cb	BdZ
<i>Gopherus polyphemus</i>	0.0.1	8	6	0	w-adult	PZ
<i>Homopus areolatus</i>	0.1	7	4	12	w-juv.	LPZ
<i>Kinixys belliana belliana</i>	0.0.1	14	5	14	w-adult	SDZ
<i>Kinixys erosa</i> *	2.0	10	4	11	w-adult	BdZ
<i>Malacochersus tornieri</i>	0.0.1	7	3	23	w-adult	PZ
<i>Testudo graeca</i>	0.0.1	4	8	13	w-adult	PZ
<i>Testudo hermanni</i>	1.0	8	3	7	w-adult	FWZ

	Sex	Minimum (yrs	Known mos	Age days)	Origin	Contributor
<i>Cheloniidae</i>						
<i>Lepidochelys kempi</i> *	0.1	3	7	23	w-adult	PZ
<i>Carettochelyidae</i>						
<i>Carettochelys insculpta</i> *	0.1	17	3	5	w-unk.	NYZS
<i>Trionychidae</i>						
<i>Lissemys punctata</i> *	0.0.1	12	10	3	w-adult	SLZ
<i>Pelochelys bibroni</i>	0.0.1	10	1	17	w-adult	DtZ
<i>Trionyx cartilagineus</i> *	1.0	7	3	23	w-adult	TBZ
<i>Trionyx ferox</i>	0.0.1	16	10	5	w-unk.	PZ
<i>Trionyx spiniferus spiniferus</i> *	0.1	25	2	17	w-adult	RZ
<i>Trionyx triunguis</i> *	1.0	34	10	0	w-unk.	NZP
<i>Gekkonidae</i>						
<i>Coleonyx variegatus</i>	1.0	4	11	25	w-adult	LAZ
<i>Eublepharis macularius</i> *	0.1	15	6	1	w-adult	SAM
<i>Gehyra oceanica</i>	1.0	10	6	24	w-unk.	LPZ
<i>Gekko gekko</i> *	0.0.1	13	0	11	w-adult	CZ
<i>Gonatodes albogularis fuscus</i>	0.0.1	1	6	0	w-unk.	RC
<i>Gymnodactylus spyrurus</i>	1.0	10	8	0	w-adult	LPZ
<i>Hoplodactylus pacificus</i>	0.0.1	2	11	11	w-unk.	PZ
<i>Oedura marmorata</i> *	0.0.1	8	1	14	w-adult	DZ
<i>Oedura robusta</i> *	0.0.1	8	1	14	w-adult	DZ
<i>Pachydactylus bibroni</i> *	1.0	4	7	12	w-adult	JEG
<i>Phelsuma laticauda</i>	1.0	4	0	21	w-adult	FWZ
<i>Phelsuma lineata</i>	0.0.1	3	0	26	w-adult	LPZ
<i>Phelsuma madagascarensis</i>	0.0.1	10	0	0	w-adult	CiZ
<i>Ptyodactylus hasselquisti</i>	1.0	3	3	16	w-adult	SAM
<i>Sphaerodactylus notatus notatus</i>	0.0.1	1	4	5	w-adult	RC
<i>Tarentola mauritanica</i>	0.0.1	4	1	29	w-adult	PZ
<i>Teratoscincus microlepis</i>	0.0.1	3	1	10	w-adult	BdZ
<i>Teratoscincus scincus</i> *	1.0	9	3	4	w-adult	BdZ

	Sex	Minimum (yrs)	Known mos	Age days	Origin	Contributor
<i>Xantusiidae</i>						
Klauberina riversiana *	1.0	5	4	0	w-adult	PZ
Lepidophyma flavimaculata flavimaculata*	0.1	9	11	0	w-adult	BdZ
Xantusia vigilis	0.0.1	3	10	13	w-adult	ASDM
<i>Iguanidae</i>						
Amblyrhynchus cristatus	1.0	6	5	17	w-adult	BdZ
Anolis carolinensis carolinensis	1.0	7	1	29	w-adult	AH
Anolis equestris *	0.1	8	4	11	w-adult	LAZ
Anolis luteogularis	1.0	2	10	28	w-adult	PZ
Anolis stejnegeri stejnegeri	1.0	2	11	9	w-adult	BdZ
Basiliscus basiliscus	0.0.1	3	4	18	w-adult	PZ
Basiliscus plumbifrons	1.0	5	1	20	w-juv.	BdZ
Basiliscus vittatus	0.0.1	5	10	28	w-adult	PZ
Brachylophus fasciatus *	1.0	5	11	19	w-adult	DZ
Conolophus pallidus *	0.1	17	1	18	w-adult	SDZ
Conolophus subcristatus	1.0	7	3	14	w-adult	PZ
Corytophanes cristatus	0.0.1	5	2	15	w-adult	DZ
Ctenosaura hemilopha	0.0.1	9	7	4	w-adult	ASDM
Ctenosaura pectinata *	1.0	8	2	15	w-adult	DZ
Ctenosaura similis	1.0	4	9	13	w-adult	BdZ
Cyclura cornuta *	1.0	16	8	9	w-adult	CAF
Cyclura figginsi *	0.0.4	8	8	16	w-adult	DZ
Cyclura inornata	1.0	5	7	7	w-adult	WMC
Cyclura macleani caymanensis	0.0.1	8	8	16	w-adult	DZ
Cyclura macleani lewisi	1.0	5	7	10	w-adult	WMC
Cyclura pinguis	0.1	3	2	14	w-juv.	WMC
Cyclura rileyi nuchalis	1.0	5	7	19	w-juv.	BdZ
Cyclura rileyi ssp.	0.0.1	7	1	4	w-adult	DZ
Deiroptyx vermiculatus	1.0	1	11	9	w-adult	PZ
Dipsosaurus dorsalis	1.1	14	7	5	w-adult	WMC
Iguana delicatissima	0.0.1	4	5	22	w-adult	PZ
Iguana iguana	0.1	12	5	0	w-juv.	WMC
Leiocephalus carinatus	1.0	10	10	14	w-adult	BdZ
Mariguana agassizi	0.0.1	5	2	3	w-adult	LPZ

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<i>Oplurus cyclurus</i> *	0.0.1	9	3	0	w-adult	CiZ
<i>Phrynosoma douglassi</i>	0.0.1	1	0	15	w-adult	PZ
<i>Sauromalus obesus tumidus</i>	0.0.1	5	6	0	w-unk.	ASDM
<i>Sceloporus cyanogenys</i> *	0.0.1	6	8	17	w-adult	DZ
<i>Sceloporus woodi</i>	1.0	1	8	17	w-adult	SAM
<i>Uma notata notata</i>	0.0.1	8	1	5	w-adult	ASDM
<i>Agamidae</i>						
<i>Agama stellio</i>	0.1	2	4	28	w-adult	PZ
<i>Amphibolurus barbatus</i> *	1.0	9	11	8	w-adult	LPZ
<i>Amphibolurus nobbi</i> *	0.1	2	2	10	w-adult	SAM
<i>Chlamydosaurus kingi</i>	0.0.1	6	4	23	w-adult	DZ
<i>Hydrosaurus amoinensis</i>	1.0	3	6	1	w-adult	PZ
<i>Leiolepis belliana</i>	0.1	5	7	22	w-adult	RHW
<i>Physignathus cocincinus</i> *	0.1	2	10	11	w-adult	DZ
<i>Physignathus lesueuri</i>	0.0.1	7	6	27	w-adult	PZ
<i>Chamaelionidae</i>						
<i>Chamaeleo chamaeleon</i>	0.1	1	9	27	w-adult	SAM
<i>Chamaeleo jacksoni</i>	0.1	1	10	0	w-adult	PZ
<i>Chamaeleo melleri</i>	0.1	1	0	14	w-adult	BdZ
<i>Scincidae</i>						
<i>Chalcides ocellatus</i>	0.0.1	3	8	24	w-adult	PZ
<i>Corucia zebrata</i> *	0.1	2	10	16	w-adult	PZ
<i>Egernia bungana</i>	0.0.1	8	7	4	w-adult	LAZ
<i>Egernia cunninghami</i>	0.0.1	10	5	0	w-adult	SLZ
<i>Egernia hosmeri</i> *	0.0.3	3	3	16	w-adult	PZ
<i>Egernia major</i>	0.0.1	10	9	26	w-adult	LPZ
<i>Eumeces algeriensis</i> *	0.0.1	9	0	5	w-adult	DZ
<i>Eumeces laticeps</i>	0.1	7	8	22	w-adult	AMNH
<i>Eumeces obsoletus</i>	0.0.1	6	2	19	w-adult	ASDM
<i>Eumeces schneideri</i> *	1.0	9	3	0	w-adult	LAZ
<i>Lygosoma casuarinae</i>	0.0.1	5	3	20	w-adult	PZ
<i>Ophiomorus tridactylus</i>	0.0.1	5	10	17	w-adult	CZ

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<i>Riopa fernandi</i>	0.0.1	1	6	16	w-adult	PZ
<i>Tiliqua scincoides</i>	0.1	9	0	5	w-adult	PZ
<i>Trachydosaurus rugosus</i>	0.0.1	14	6	8	w-adult	CZ
<i>Cordylidae</i>						
<i>Cordylus giganteus</i>	0.0.1	5	3	0	w-unk.	PZ
<i>Cordylus polyzonus</i> *	0.0.1	9	1	21	w-adult	BdZ
<i>Cordylus warreni</i> *	0.0.1	4	4	21	w-adult	PZ
<i>Gerrhosaurus major</i> *	0.1	11	1	4	w-adult	CZ
<i>Gerrhosaurus nigrolineatus auritus</i>	0.0.1	8	3	5	w-adult	CZ
<i>Gerrhosaurus validus</i> *	0.0.2	4	0	9	w-adult	PZ
<i>Platysaurus guttatus</i> *	1.0	10	4	19	w-adult	CZ
<i>Platysaurus intermedius subniger</i> *	0.1	3	1	26	w-adult	PZ
<i>Zonosaurus laticaudatus</i> *	0.0.1	8	0	28	w-adult	CZ
<i>Lacertidae</i>						
<i>Lacerta lepida lepida</i>	0.0.1	5	3	29	w-adult	PZ
<i>Teiidae</i>						
<i>Ameiva ameiva</i>	1.0	2	9	22	w-adult	PZ
<i>Cnemidophorus neomexicanus</i>	0.1	3	2	12	w-adult	SAM
<i>Dracaena guianensis</i>	0.1	9	3	28	w-adult	LAZ
<i>Tupinambis nigropunctatus</i>	1.0	11	11	10	w-adult	PZ
<i>Tupinambis rufescens</i>	1.0	10	7	27	w-adult	PZ
<i>Tupinambis teguixin</i>	0.0.1	7	7	11	w-adult	PZ
<i>Anguidae</i>						
<i>Anguis fragilis</i>	0.0.1	8	3	28	w-adult	PZ
<i>Gerrhonotus liocephalus infernalis</i>	0.0.1	3	6	15	w-adult	PZ
<i>Gerrhonotus multicarinatus</i>	0.0.1	5	2	12	w-adult	LPZ
<i>Ophisaurus apodus</i> *	0.0.2	17	0	10	w-adult	LPZ
<i>Ophisaurus koellikeri</i>	0.0.1	9	4	23	w-adult	PZ
<i>Ophisaurus ventralis</i>	0.0.1	3	9	5	w-adult	PZ

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<i>Helodermatidae</i>						
<i>Heloderma horridum alvarezi</i> *	1.0	27	4	11	w-adult	IHN
<i>Heloderma horridum horridum</i> *	0.1	20	2	3	w-adult	KCJ
<i>Heloderma horridum</i> ssp. *	0.1	22	10	0	w-unk.	PitZ
<i>Heloderma suspectum suspectum</i>	1.0	16	5	1	w-juv.	PZ
<i>Heloderma suspectum</i> ssp. *	0.0.1	27	10	0	w-unk.	LRZ
<i>Varanidae</i>						
<i>Varanus acanthurus brachyurus</i> *	0.1	10	0	26	w-adult	DZ
<i>Varanus bengalensis</i>	0.0.1	10	0	0	w-unk.	SIZ
<i>Varanus flavescens</i>	1.0	4	6	5	w-adult	PZ
<i>Varanus giganteus</i> *	0.0.1	5	11	13	w-adult	DZ
<i>Varanus gouldi</i> *	0.0.1	7	10	0	w-adult	DZ
<i>Varanus griseus</i>	1.0	4	6	5	w-adult	PZ
<i>Varanus komodoensis</i>	0.1	8	11	12	w-adult	NZP
<i>Varanus mertensi</i> *	0.0.1	6	7	9	w-adult	DZ
<i>Varanus mitchelli</i> *	0.0.1	6	7	9	w-adult	DZ
<i>Varanus niloticus</i>	0.0.1	6	7	8	w-juv.	PZ
<i>Varanus salvator</i>	1.0	12	4	5	w-adult	SDZ
<i>Varanus spenceri</i>	0.0.1	4	3	1	w-adult	LAZ
<i>Varanus timorensis</i> *	0.0.1	6	10	9	w-adult	DZ
<i>Varanus tristis</i> *	0.0.1	8	3	20	w-adult	CiZ
<i>Varanus varius</i> *	1.0	9	6	25	w-adult	PZ
<i>Lanthanotidae</i>						
<i>Lanthanotus borneensis</i> *	0.0.1	6	11	3	w-unk.	NYZS
<i>Amphisbaenidae</i>						
<i>Amphisbaena alba</i> *	0.1	13	4	14	w-adult	FWZ
<i>Bipes biporus</i>	0.0.1	3	3	6	w-adult	ASDM
<i>Boidae</i>						
<i>Acrantophis madagascariensis</i>	1.0	8	7	24	w-adult	PZ
<i>Aspidites melanocephalus</i> *	0.0.1	7	2	4	w-adult	CZ
<i>Boa constrictor amarali</i> *	0.0.1	15	7	16	w-adult	ENF
<i>Boa constrictor constrictor</i> * 2	0.1	38	10	0	w-adult	ESS

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<i>Boa constrictor imperator</i> *	0.1	29	1	1	cb	PZ
<i>Boa constrictor ortonii</i>	1.0	11	11	20	w-adult	CZ
<i>Candoia aspera</i> *	0.1	5	11	25	w-adult	LAZ
<i>Charina bottae bottae</i>	0.0.1	11	5	0	w-unk.	MG
<i>Chondropython viridis</i> *	0.2	15	1	0	w-adult	BdZ
<i>Corallus annulatus</i>	0.0.1	12	4	4	w-adult	PZ
<i>Corallus caninus</i>	0.1	15	5	27	w-adult	SLZ
<i>Corallus enydris cooki</i>	0.1	14	3	0	w-adult	SDZ
<i>Corallus enydris enydris</i>	0.0.1	10	4	0	w-adult	SLZ
<i>Epicrates angulifer</i>	0.1	22	7	0	w-unk.	SDZ
<i>Epicrates cenchria cenchria</i>	0.0.1	21	5	7	w-adult	PZ
<i>Epicrates cenchria crassus</i>	0.1	16	11	0	cb	SIZ
<i>Epicrates cenchria maurus</i>	0.0.1	27	4	0	w-unk.	NYZS
<i>Epicrates inornatus fordi</i>	1.0	7	6	10	w-adult	LAZ
<i>Epicrates striatus fosteri</i>	0.1	10	11	4	w-adult	FWZ
<i>Epicrates striatus ssp.</i>	1.0	22	1	0	w-adult	PZ
<i>Epicrates subflavus</i> *	0.0.1	9	10	0	w-adult	FWZ
<i>Eryx colubrinus</i> *	0.0.1	10	5	7	w-adult	CZ
<i>Eryx conicus</i> *	0.1	14	5	14	w-adult	PZ
<i>Eryx jaculus</i> *	0.1	18	4	2	w-adult	SIZ
<i>Eryx johnei</i>	0.0.1	19	6	19	w-adult	SDZ
<i>Eryx tataricus</i>	0.0.1	8	4	4	w-adult	LAZ
<i>Eunectes barbouri</i>	0.1	13	11	8	w-adult	PZ
<i>Eunectes deschauenseei</i>	0.1	13	9	26	w-adult	PZ
<i>Eunectes murinus</i>	0.0.1	28	0	0	w-unk.	NZP
<i>Liasis amethystinus kinghorni</i> *	0.0.1	10	11	12	w-adult	CZ
<i>Liasis childreni</i> *	0.0.1	9	10	9	w-adult	CZ
<i>Liasis fuscus fuscus</i>	0.0.1	10	2	0	w-adult	CAF
<i>Liasis fuscus ssp.</i> *	0.1	18	8	27	w-juv.	CAF
<i>Liasis mackloti mackloti</i> *	0.0.1	6	3	0	w-adult	CZ
<i>Lichanura trivirgata roseofusca</i>	0.0.1	18	7	0	w-unk.	PM
<i>Loxocemus bicolor</i> *	1.0	32	10	1	w-adult	PZ
<i>Morelia argus argus</i>	0.1	9	4	16	w-adult	SDZ
<i>Morelia argus variegata</i> *	1.0	12	9	26	w-adult	SDZ

	Sex	Minimum (yrs	Known mos	Age days)	Origin	Contributor
<i>Python curtus curtus</i>	0.1	27	9	16	w-adult	SDZ
<i>Python molurus bivittatus</i>	0.1	28	3	9	cb	SDZ
<i>Python molurus molurus</i>	1.0	34	2	11	w-adult	ESS
<i>Python regius</i> *	1.0	30	6	5	w-adult	PZ
<i>Python reticulatus</i>	1.0	25	4	14	w-adult	SLZ
<i>Python sebae</i>	0.1	27	4	20	w-unk.	SDZ
<i>Sanzinia madagascariensis</i> *	0.0.1	8	0	28	w-adult	CZ
<i>Tropidophis canus curtus</i>	1.0	4	0	0	w-adult	JKB
<i>Tropidophis caymanensis parkeri</i> *	0.0.1	8	8	16	w-adult	DZ
<i>Ungaliophis continentalis</i>	0.0.1	17	8	0	w-unk.	GOW
<i>Xenopeltidae</i>						
<i>Xenopeltis concolor</i> *	0.0.1	9	4	29	w-adult	CZ
<i>Acrochordidae</i>						
<i>Acrochordus javanicus</i>	0.0.1	5	9	25	w-adult	CZ
<i>Colubridae</i>						
<i>Ahaetulla tristis</i>	0.1	4	3	8	w-adult	LPZ
<i>Alsophis portoricensis</i>	0.0.1	2	0	20	w-adult	PZ
<i>Arizona elegans noctivaga</i> *	0.0.1	12	2	24	w-adult	PxZ
<i>Arizona elegans occidentalis</i>	1.0	10	1	1	w-adult	SDZ
<i>Boaedon fuliginosus</i>	0.1	7	0	16	w-adult	LAZ
<i>Boiga blandingi</i>	0.1	8	10	17	w-adult	CZ
<i>Boiga cynodon</i> *	1.0	9	1	15	w-adult	LAZ
<i>Boiga dendrophila</i>	0.0.1	13	0	1	w-juv.	CZ
<i>Boiga irregularis</i>	1.0	9	3	24	w-adult	LAZ
<i>Boiga trigonata</i>	0.0.1	8	2	19	w-adult	LAZ
<i>Chilomeniscus cinctus</i>	0.0.1	4	0	0	w-adult	ASDM
<i>Chrysopelea ornata</i>	0.0.1	4	4	18	w-adult	PZ
<i>Clelia clelia</i>	1.0	11	6	22	w-adult	PZ
<i>Conophis vittatus vittatus</i>	0.0.1	2	1	15	w-adult	PZ
<i>Crotaphopeltis hotamboeia</i>	0.1	2	4	25	w-adult	PZ
<i>Cyclagras gigas</i>	0.1	16	10	2	w-adult	PZ

	Sex	Minimum (yrs)	Known mos	Age days	Origin	Contributor
<i>Dasypeltis atra</i> *	0.1	5	2	3	w-adult	MLS
<i>Dasypeltis medici</i> *	0.1	4	0	9	w-adult	BdZ
<i>Dasypeltis scaber</i>	0.0.1	13	7	2	cb	SDZ
<i>Dinodon rufozonatum</i>	0.1	13	8	27	w-adult	PZ
<i>Dispholidus typhus</i>	1.0	8	8	25	w-adult	BdZ
<i>Dryadophis bifossatus</i>	0.0.1	4	2	4	w-adult	LAZ
<i>Drymarchon corais corais</i>	0.0.1	5	1	0	w-adult	CZ
<i>Drymarchon corais couperi</i>	0.0.1	25	11	0	w-unk.	JGM
<i>Drymarchon corais melanurus</i>	0.1	9	0	1	w-adult	PZ
<i>Drymarchon corais rubidus</i>	0.0.1	11	7	10	w-juv.	KCJ
<i>Drymobius margaritiferus margaritiferus</i>	0.1	4	4	17	w-adult	PZ
<i>Dryophis nasuta</i>	1.0	6	9	28	w-adult.	BdZ
<i>Elaphe climacophora</i> *	1.0	12	0	17	w-juv.	SLZ
<i>Elaphe flavirufa</i>	0.0.1	7	9	25	w-adult	PZ
<i>Elaphe guttata emoryi</i>	0.0.1	21	1	25	w-adult	TZ
<i>Elaphe guttata guttata</i>	0.0.1	21	9	0	w-adult	PZ
<i>Elaphe guttata rosacea</i>	0.0.1	15	1	18	w-adult	BZ
<i>Elaphe longissima</i>	0.0.1	3	2	16	w-adult	PZ
<i>Elaphe obsoleta bairdi</i> * 3	0.0.1	9	5	2	w-adult	DM
<i>Elaphe obsoleta lindheimeri</i>	0.0.1	7	0	12	w-adult	LP
<i>Elaphe obsoleta obsoleta</i> *	0.0.1	20	1	23	cb	LP
<i>Elaphe obsoleta quadrivittata</i>	1.0	17	1	16	w-unk.	SDZ
<i>Elaphe obsoleta spiloides</i>	0.0.1	13	11	0	w-unk.	RMS
<i>Elaphe oxycephala</i>	0.1	5	5	17	w-adult	LAZ
<i>Elaphe quadrivirgata</i> *	0.1	16	9	29	w-adult	RHW
<i>Elaphe quatuorlineata</i>	0.0.1	5	2	7	w-adult	PZ
<i>Elaphe subocularis</i>	0.0.1	13	9	26	w-adult	SIZ
<i>Elaphe taeniura</i>	0.0.1	9	8	21	w-adult	PZ
<i>Elaphe triaspis intermedia</i>	0.1	9	6	19	w-adult	ASDM
<i>Elaphe vulpina gloydi</i>	0.1	7	5	18	w-adult	LAZ
<i>Enhydryis chinensis</i>	0.1	4	2	25	w-adult	PZ
<i>Farancia abacura reinwardti</i>	0.1	18	0	10	w-adult	PZ
<i>Helicops schistosus</i>	0.0.1	12	3	17	w-adult	PZ
<i>Heterodon nasicus kennerlyi</i>	0.0.1	9	2	7	w-adult	LP
<i>Heterodon nasicus nasicus</i> *	1.0	8	2	16	w-adult	PZ
<i>Heterodon platyrhinos</i> *	1.0	4	0	29	w-adult	PZ

	Sex	Minimum (yrs)	Known mos	Age days)	Origin	Contributor
<i>Hypsiglena torquata texana</i>	0.0.1	9	3	0	w-adult	LPZ
<i>Lampropeltis calligaster calligaster</i>	0.1	11	0	0	w-adult	SIZ
<i>Lampropeltis getulus californiae</i>	1.0	14	8	12	w-unk	SDZ
<i>Lampropeltis getulus floridana</i>	1.0	12	0	16	w-unk.	SDZ
<i>Lampropeltis getulus getulus</i>	1.0	21	5	2	w-adult	JBZ
<i>Lampropeltis getulus holbrooki</i>	1.0	14	5	22	w-adult	SLZ
<i>Lampropeltis getulus niger</i>	1.0	13	5	17	w-adult	FWZ
<i>Lampropeltis getulus nigrilus</i> *	1.0	11	1	25	w-juv.	LP
<i>Lampropeltis getulus splendida</i>	0.1	12	10	29	w-juv.	AMNH
<i>Lampropeltis getulus yumensis</i> *	0.0.1	23	3	0	w-juv.	WHW
<i>Lampropeltis pyromelana infralabialis</i>	0.0.1	4	5	10	w-adult	TBZ
<i>Lampropeltis pyromelana pyromelana</i> *	0.1	15	4	26	w-adult	PitZ
<i>Lampropeltis pyromelana woodini</i> *	1.0	9	3	0	w-adult	LAZ
<i>Lampropeltis triangulum amaura</i>	0.0.1	20	7	0	w-unk.	GPM
<i>Lampropeltis triangulum annulata</i> *	0.0.1	20	2	0	w-adult	DH
<i>Lampropeltis triangulum elapsoides</i>	0.1	13	0	17	w-adult	PZ
<i>Lampropeltis triangulum nelsoni</i> *	1.0	13	1	0	w-adult	ASDM
<i>Lampropeltis triangulum polyzona</i>	0.1	14	1	8	w-adult	PZ
<i>Lampropeltis triangulum sypila</i>	0.1	10	0	19	w-adult	SLZ
<i>Lampropeltis triangulum triangulum</i>	0.1	21	4	14	w-adult	PZ
<i>Lampropeltis zonata multicincta</i> *	1.0	16	4	0	w-adult	PitZ
<i>Lampropeltis zonata multifasciata</i>	0.0.1	13	5	20	w-unk	SDZ
<i>Lampropeltis zonata parvirubra</i> *	0.0.1	11	11	25	w-adult	SA
<i>Lampropeltis zonata zonata</i> *	1.0	21	2	0	w-adult	PitZ
<i>Leptodeira annulata</i>	0.0.1	3	5	26	w-adult	PZ
<i>Leptodeira septentrionalis polysticta</i>	0.1	10	11	26	w-adult	BZ
<i>Leptophis mexicanus</i>	0.0.1	7	8	5	w-adult	LPZ
<i>Lioheterodon madagascariensis</i> *	1.0	9	0	24	w-adult	LAZ
<i>Liophis anomalus</i>	0.0.1	4	10	17	w-adult	PZ
<i>Masticophis flagellum flagellum</i>	1.0	16	7	21	w-juv.	PitZ
<i>Masticophis flagellum flavigularis</i>	0.0.1	13	5	13	w-unk.	SDZ
<i>Masticophis flagellum piceus</i>	1.0	12	1	26	w-unk.	SDZ
<i>Masticophis flagellum testaceus</i>	0.0.1	8	3	0	w-adult	LP
<i>Masticophis striolatus</i> *	0.0.1	9	3	0	w-adult	LAZ

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<i>Mehelya capensis</i>	0.0.1	10	11	0	w-adult	NZP
<i>Natrix erythrogaster erythrogaster</i>	0.0.1	8	10	2	w-adult	PZ
<i>Natrix erythrogaster transversa</i>	0.0.1	4	2	22	w-adult	PZ
<i>Natrix piscator</i>	0.0.1	7	10	24	w-adult	PZ
<i>Natrix septemvittata</i> *	1.0	19	3	17	w-adult	RZ
<i>Natrix sipedon sipedon</i> *	0.0.1	7	4	7	w-adult	ENF
<i>Natrix tessellata</i>	0.0.1	2	4	4	w-adult	LAZ
<i>Natrix tigrina tigrina</i>	0.0.1	3	1	3	w-adult	PZ
<i>Oxybelis aeneus</i>	0.0.1	5	0	0	w-adult	SLZ
<i>Pituophis melanoleucus affinis</i>	0.1	15	0	0	w-adult	SIZ
<i>Pituophis melanoleucus annectens</i>	1.0	20	5	18	cb	SDZ
<i>Pituophis melanoleucus catenifer</i>	0.0.1	11	0	0	w-adult	SDZ
<i>Pituophis melanoleucus deserticola</i>	0.1	15	10	16	w-juv.	RHW
<i>Pituophis melanoleucus melanoleucus</i>	0.1	20	9	2	cb	SDZ
<i>Pituophis melanoleucus mugitus</i>	0.0.1	13	0	0	w-adult	BdZ
<i>Pituophis melanoleucus sayi</i>	0.0.1	22	5	1	w-adult	RMM
<i>Psammophis subtaeniatus</i>	0.0.1	5	10	0	w-adult	LAZ
<i>Pseudaspis cana</i>	1.0	8	4	16	w-juv.	FWZ
<i>Ptyas mucosus</i>	1.0	11	1	3	w-adult	FWZ
<i>Rhamphiophis oxyrhynchus</i>	1.0	13	4	0	w-adult	SLZ
<i>Rhinocheilus lecontei lecontei</i>	0.1	18	3	7	w-unk.	SDZ
<i>Rhinocheilus lecontei tessellatus</i> *	1.0	16	5	2	w-adult	SIZ
<i>Salvadora hexalepis hexalepis</i>	1.0	14	3	20	w-adult	SDZ
<i>Salvadora mexicana</i>	0.0.1	6	3	24	w-adult	LAZ
<i>Sphalerosophis diadema</i> *	0.1	9	7	11	w-adult	CZ
<i>Spilotes pullatus</i>	0.1	13	7	5	w-adult	SDZ
<i>Storeria occipitomaculata occipitomaculata</i>	0.0.1	2	2	0	w-adult	PZ
<i>Telescopus semiannulatus</i>	0.0.1	7	7	27	w-adult	CZ
<i>Thamnophis butleri</i>	0.0.1	2	0	3	w-adult	PZ
<i>Thamnophis couchi hammondi</i>	0.0.1	7	8	23	w-adult	LAZ
<i>Thamnophis cyrtopsis ocellata</i> *	1.0	6	0	16	w-adult	PZ
<i>Thamnophis elegans</i>	0.0.1	6	1	4	w-adult	LAZ
<i>Thamnophis marcianus</i> *	0.1	7	2	5	w-adult	LAZ
<i>Thamnophis proximus proximus</i>	0.0.1	3	7	1	w-adult	PZ

	Sex	Minimum (yrs)	Known mos	Age days)	Origin	Contributor
<i>Thamnophis radix haydeni</i>	1.0	3	7	19	w-adult	PZ
<i>Thamnophis sauritus sauritus</i>	0.0.1	3	11	29	w-adult	PZ
<i>Thamnophis sirtalis sirtalis</i>	0.0.1	10	0	0	w-unk.	BF
<i>Thrasops jacksoni</i>	0.0.1	5	9	27	w-adult	LAZ
<i>Tretanorhinus variabilis lewisi</i> *	0.1	4	4	11	w-adult	SAM
<i>Trimorphodon fasciolata</i>	0.0.1	4	10	11	w-adult	LAZ
<i>Trimorphodon lambda</i>	0.0.1	5	3	0	w-unk.	ASDM
<i>Trimorphodon vandenburghi</i>	0.0.1	6	0	9	w-adult	JEG
<i>Uromacer oxyrhynchus</i> *	1.1	12	1	27	w-adult	PZ
<i>Elapidae</i>						
<i>Acanthophis antarcticus antarcticus</i> *	1.1	7	2	4	cb	CZ
<i>Acanthophis antarcticus laevis</i> *	1.0	6	2	28	w-adult	CZ
<i>Acanthophis antarcticus pyrrhus</i>	0.0.1	3	5	23	w-adult	CZ
<i>Acanthophis antarcticus rugosus</i> *	0.1	6	2	28	w-adult	CZ
<i>Aspidelaps scutatus</i>	0.0.1	11	1	8	w-adult	CZ
<i>Bungarus caeruleus</i>	0.0.1	10	6	1	w-adult	SLZ
<i>Bungarus fasciatus</i> * 4	0.0.1	11	6	1	w-adult	SLZ
<i>Bungarus multicinctus</i>	1.0	9	5	0	w-adult	PZ
<i>Demansia textilis</i> *	1.0	9	4	4	w-adult	LAZ
<i>Dendroaspis angusticeps</i> *	0.1	14	4	7	w-adult	FWZ
<i>Dendroaspis jamesoni</i>	0.0.1	9	4	25	w-adult	CZ
<i>Dendroaspis polylepis</i> *	0.1	10	1	1	w-adult	CZ
<i>Dendroaspis viridis</i>	0.0.1	12	6	6	w-adult	SIZ
<i>Elapsoidea sundevalli</i> *	0.0.1	8	7	17	w-adult	LAZ
<i>Hemachatus haemachatus</i>	0.0.1	11	9	0	w-unk.	BdZ
<i>Micrurus affinis affinis</i>	0.1	4	5	29	w-adult	PZ
<i>Micrurus fulvius</i> *	0.0.1	6	10	29	w-adult	BdZ
<i>Naja haje</i> *	1.0	9	2	23	w-adult	LAZ
<i>Naja melanoleuca</i>	0.1	29	1	11	w-unk.	SDZ
<i>Naja naja atra</i>	0.0.1	11	8	18	w-adult	PZ
<i>Naja naja kaouthia</i>	0.0.1	12	10	19	w-juv.	CZ
<i>Naja naja naja</i>	1.0	17	3	5	cb	SDZ

4 - Not the same specimen as listed by Shaw 1968.

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<i>Naja naja samarensis</i>	0.0.1	11	5	0	w-adult	CAF
<i>Naja naja sputatrix</i>	0.0.1	13	6	0	w-adult	CAF
<i>Naja naja ssp. *</i>	0.1	23	11	1	w-adult	NZP
<i>Naja nigricollis mossambica *</i>	1.0	13	0	0	w-adult	CZ
<i>Naja nigricollis ssp.</i>	0.0.1	22	1	0	w-unk.	BdZ
<i>Naja nivea</i>	0.0.1	23	7	29	w-adult	LP
<i>Notechis scutatus</i>	1.0	14	1	0	w-unk.	SDZ
<i>Ophiophagus hannah</i>	1.0	17	1	24	w-adult	LPZ
<i>Pseudechis australis</i>	0.0.1	11	1	0	w-adult	CAF
<i>Pseudechis porphyriacus</i>	0.0.1	5	1	10	w-juv.	CZ
<i>Walterinnesia aegyptia</i>	1.0	6	8	29	w-adult	LAZ

Hydrophidae

<i>Pelamis platurus</i>	0.1	2	1	7	w-adult	BdZ
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Viperidae

<i>Agkistrodon acutus</i>	1.0	7	6	24	w-adult	LAZ
<i>Agkistrodon bilineatus bilineatus</i>	0.0.1	24	4	19	w-unk.	IHN
<i>Agkistrodon contortrix contortrix *</i>	1.0	14	6	29	w-adult	LP
<i>Agkistrodon contortrix laticinctus</i>	1.0	21	6	9	w-unk.	SDZ
<i>Agkistrodon contortrix mokasen</i>	0.1	29	10	6	w-adult	ESS
<i>Agkistrodon contortrix pictigaster *</i>	1.0	20	5	3	w-adult	PZ
<i>Agkistrodon halys blomhoffi</i>	0.1	6	2	3	w-adult	LAZ
<i>Agkistrodon halys brevicaudus</i>	1.0	12	6	5	w-unk.	SDZ
<i>Agkistrodon hypnale *</i>	0.0.1	7	4	26	cb	LAZ
<i>Agkistrodon piscivorus conanti</i>	0.0.1	15	8	7	cb	LP
<i>Agkistrodon piscivorus leucostoma</i>	1.0	16	6	4	w-juv.	SLZ
<i>Agkistrodon piscivorus piscivorus</i>	1.0	13	1	24	w-adult	NCSM
<i>Agkistrodon piscivorus ssp.</i>	0.0.1	18	11	0	w-unk.	RMS
<i>Agkistrodon rhodostoma</i>	0.1	5	9	25	w-adult	JZ
<i>Atheris squamigera</i>	0.0.1	4	6	3	w-adult	CZ
<i>Atractaspis bibroni *</i>	0.0.1	8	11	19	w-adult	BdZ
<i>Bitis arietans arietans</i>	1.0	15	10	7	w-unk.	SDZ

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<i>Bitis caudalis</i>	0.0.1	5	3	18	w-adult	LAZ
<i>Bitis gabonica gabonica</i>	1.0	10	9	17	w-adult	SDZ
<i>Bitis gabonica rhinoceros</i>	0.1	13	3	10	cb	PZ
<i>Bitis nasicornis</i>	0.1	8	3	4	w-adult	CZ
<i>Bothrops atrox asper</i>	0.0.1	20	2	17	w-unk.	IHN
<i>Bothrops atrox atrox</i>	0.0.1	8	6	11	w-adult	CZ
<i>Bothrops godmani</i>	0.0.1	7	5	29	w-adult	CZ
<i>Bothrops jararaca</i>	0.0.1	6	6	12	w-adult	CZ
<i>Bothrops lansbergi</i>	0.0.1	3	8	1	w-adult	CZ
<i>Bothrops melanurus</i>	0.0.1	4	0	23	w-adult	LP
<i>Bothrops nasutus</i>	0.0.1	6	6	26	w-adult	CZ
<i>Bothrops nummifer nummifer</i> *	0.0.1	19	1	0	w-unk.	IHN
<i>Bothrops ophryomegas</i>	0.0.1	5	2	15	w-adult	CZ
<i>Bothrops picadoi</i>	0.1	3	6	26	w-adult	LAZ
<i>Bothrops schlegeli schlegeli</i>	0.0.1	16	7	3	w-unk.	IHN
<i>Cerastes cerastes</i>	0.1	17	0	21	w-unk.	SDZ
<i>Cerastes vipera</i>	0.0.1	6	0	27	w-adult	BdZ
<i>Crotalus adamanteus</i>	0.0.1	22	9	3	w-juv.	LP
<i>Crotalus atrox</i>	0.1	25	10	27	w-juv.	CSW
<i>Crotalus basiliscus basiliscus</i>	0.1	12	10	24	w-adult	CZ
<i>Crotalus catalinensis</i>	0.1	10	3	22	w-adult	SDZ
<i>Crotalus cerastes cerastes</i> *	1.0	8	1	11	w-adult	LP
<i>Crotalus cerastes cercobombus</i>	1.0	10	8	21	w-juv.	LP
<i>Crotalus cerastes laterorepens</i>	0.0.1	13	9	0	w-unk.	JFC
<i>Crotalus durissus durissus</i>	0.0.1	12	0	0	w-unk.	SLZ
<i>Crotalus durissus terrificus</i>	0.0.1	13	5	19	w-unk.	SDZ
<i>Crotalus enyo enyo</i>	0.0.1	17	1	13	w-unk.	SDZ
<i>Crotalus horridus</i> *	1.0	30	2	1	w-adult	FJR
<i>Crotalus lepidus klauberi</i> *	0.0.1	23	3	24	w-adult	WHW
<i>Crotalus lepidus lepidus</i>	0.0.1	17	11	10	w-adult	SIZ
<i>Crotalus lepidus maculosus</i> *	1.0	7	2	3	w-adult	LP
<i>Crotalus mitchelli pyrrhus</i> *	0.1	15	6	1	w-juv.	CAF
<i>Crotalus mitchelli stephensi</i> *	0.1	12	5	23	w-unk.	SLZ
<i>Crotalus molossus molossus</i>	1.0	15	6	14	w-adult	CZ

	Sex	Minimum (yrs)	Known mos	Age days	Origin	Contributor
<i>Crotalus molossus nigrescens</i> *	0.0.1	11	2	0	w-adult	LP
<i>Crotalus polystictus</i> *	1.0	5	8	12	w-adult	LP
<i>Crotalus pricei miquihuanus</i> *	1.0	5	1	17	w-adult	LP
<i>Crotalus pricei pricei</i> *	1.1	3	6	0	w-adult	SIZ
<i>Crotalus pusillus</i>	0.0.1	5	8	17	w-adult	LP
<i>Crotalus ruber ruber</i>	1.0	14	5	17	cb	SDZ
<i>Crotalus scutulatus scutulatus</i>	0.1	13	0	19	w-juv.	ASDM
<i>Crotalus tigris</i>	1.0	15	3	3	w-adult	SIZ
<i>Crotalus tortugensis</i>	1.0	18	3	21	w-unk	SDZ
<i>Crotalus triseriatus triseriatus</i>	0.1	7	0	13	w-adult	LP
<i>Crotalus unicolor</i>	0.0.1	14	10	0	w-unk.	SDZ
<i>Crotalus viridis cerberus</i>	0.0.1	12	5	4	w-adult	PxZ
<i>Crotalus viridis helleri</i>	1.0	19	5	4	w-juv.	SDZ
<i>Crotalus viridis lutosus</i> *	1.0	17	1	9	w-juv.	RHW
<i>Crotalus viridis nuntius</i> *	1.0	6	2	6	w-juv.	LP
<i>Crotalus viridis oreganus</i>	0.0.1	11	0	11	w-adult	CiZ
<i>Crotalus viridis viridis</i>	1.0	19	3	10	w-unk.	SDZ
<i>Crotalus willardi willardi</i> *	0.1	21	3	24	w-juv.	CRH
<i>Echis carinatus</i>	0.1	11	10	15	w-adult	NYZS
<i>Echis coloratus</i> *	0.1	11	10	16	w-juv.	CZ
<i>Eristocophis macmahoni</i> *	1.0	9	4	11	w-adult	LAZ
<i>Lachesis muta stenophrys</i> *	0.0.1	8	6	1	w-adult	AZ
<i>Sistrurus catenatus catenatus</i>	0.1	9	11	28	w-adult	SIZ
<i>Sistrurus catenatus tergeminus</i>	0.0.1	12	10	6	w-adult	SIZ
<i>Sistrurus catenatus ssp.</i>	0.0.1	14	0	0	w-unk.	TC
<i>Sistrurus miliarius barbouri</i>	1.0	15	1	28	w-adult	SIZ
<i>Sistrurus miliarius miliarius</i>	0.0.1	7	2	19	w-adult	BmZ
<i>Sistrurus miliarius streckeri</i>	0.0.1	6	7	13	w-juv.	LP
<i>Sistrurus ravus</i>	1.0	10	0	14	w-unk.	SDZ
<i>Trimeresurus albolabris</i> *	0.1	9	4	29	cb	CZ
<i>Trimeresurus elegans</i>	0.0.1	10	3	0	w-unk.	NZP
<i>Trimeresurus flavoviridis flavoviridis</i> *	0.0.1	8	11	0	w-adult	DZ
<i>Trimeresurus gramineus</i>	0.0.1	6	2	19	w-adult	CZ
<i>Trimeresurus monticola</i>	1.0	3	11	3	w-adult	PZ

	Sex	Minimum (yrs)	Known mos	Age days)	Origin	Contributor
<i>Trimeresurus okinavensis</i>	0.0.1	10	9	21	w-adult	NYZS
<i>Trimeresurus popeorum</i>	0.0.1	6	8	25	w-adult	CZ
<i>Trimeresurus purpureomaculatus</i> *	0.0.1	8	11	0	w-adult	DZ
<i>Trimeresurus stejnegeri</i>	0.0.1	7	0	0	w-adult	CZ
<i>Trimeresurus trigonocephalus</i> *	0.0.1	5	2	26	w-adult	DZ
<i>Trimeresurus wagleri</i>	0.1	5	9	11	w-adult	CZ
<i>Vipera ammodytes ammodytes</i> *	2.0	9	4	19	w-adult	LAZ
<i>Vipera ammodytes montandoni</i>	0.0.1	8	9	12	w-adult	CZ
<i>Vipera ammodytes</i> ssp.	0.0.1	7	1	21	w-adult	CZ
<i>Vipera aspis</i>	1.0	7	10	3	w-adult	LAZ
<i>Vipera latasti</i>	0.1	5	6	16	w-adult	LAZ
<i>Vipera lebetina obtusa</i> *	1.0	10	1	16	w-adult	BdZ
<i>Vipera lebetina schweizeri</i>	0.0.1	11	3	28	w-adult	CZ
<i>Vipera lebetina turanica</i>	0.0.1	5	1	17	w-adult	CZ
<i>Vipera lebetina</i> ssp.	0.0.1	11	4	24	w-unk.	SDZ
<i>Vipera russelli russelli</i> *	0.0.1	13	3	28	cb	CZ
<i>Vipera russelli</i> ssp.	1.0	11	7	20	cb	SDZ
<i>Vipera xanthina palaestinae</i> *	1.0	10	1	26	w-adult	CZ
<i>Vipera xanthina raddei</i> *	1.0	6	1	19	w-adult	NYZS
<i>Sphenodontidae</i>						
<i>Sphenodon punctatus</i> *	1.0	7	0	14	w-adult	CAF
<i>Alligatoridae</i>						
<i>Alligator mississippiensis</i> *	0.0.1	47	10	0	w-unk.	RA
<i>Alligator sinensis</i> *	1.1	38	1	3	w-unk	NZP
<i>Caiman crocodilus</i>	0.0.1	21	11	1	w-unk.	SLZ
<i>Caiman latirostris</i>	0.1	22	0	29	w-unk	PZ
<i>Melanosuchus niger</i> *	1.0	13	1	14	w-juv.	SLZ
<i>Paleosuchus palpebrosus</i>	0.1	2	5	9	w-unk.	PZ
<i>Paleosuchus trigonatus</i> *	0.0.1	16	4	22	w-juv.	DtZ

	Sex	Minimum (yrs	Known mos	Age days)	Origin	Contributor
<i>Crocodylidae</i>						
<i>Crocodylus acutus</i> *	0.1	32	11	21	w-adult	IHN
<i>Crocodylus cataphractus</i> *	1.0	42	5	0	w-juv.	SLZ
<i>Crocodylus intermedius</i> *	1.0	17	4	6	w-adult	LPZ
<i>Crocodylus moreleti</i> *	0.1	25	5	20	w-adult	IHN
<i>Crocodylus niloticus</i> *	1.0	18	5	0	w-adult	CAF
<i>Crocodylus palustris</i> *	0.0.1	28	5	4	w-juv.	PZ
<i>Crocodylus porosus</i>	1.0	41	8	20	w-adult	NZP
<i>Crocodylus rhombifer</i> *	1.1	18	3	4	w-juv.	CAF
<i>Osteolaemus tetraspis</i> *	0.1	42	2	23	w-adult	NZP
<i>Tomistoma schlegeli</i>	0.1	14	4	28	w-adult	PZ
 <i>Gavialidae</i>						
<i>Gavialis gangeticus</i>	0.1	27	9	10	w-adult	NYZS

Reptile/Amphibian Longevity Survey

return to:

J. Kevin Bowler

Curator of Reptiles

Philadelphia Zoological Garden

34th St. and Girard Ave.

Philadelphia, PA 19104

Scientific name (trinomial if applicable)	Sex	Date of Arrival	Date of Death (if applicable)	Longevity (yrs/mos/ days)	Captive born or wild caught#

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If wild caught, approximate age upon arrival, and basis for this determination.

Individual or institutional
contributor: _____

Compiled by (if inst. contrib.) _____

Address: _____

Title _____

Date _____

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